#5

SEQUENCE LISTING

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Lewin, David A

<120> Protein-Protein Complexes and Methods of Using Same

<130> 21402-196

<140> 10/004,083
<141> 2001-10-30

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<151> 2000-10-30

<160> 21

<170> PatentIn Ver. 2.1

<210> 1
<211> 374
<212> DNA
<213> Homo sapiens

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gatagacgaa ggtcaagtga cagatcacga gattcatctc atgaaagaac ggagtctcag 180
ctcactcctt gtattagaaa tgtgacttct ccaacacgac agcaccatgt tgaacgagaa 240
aaagatcaca gttcctctcg tccaagcagt ccgcgtcctc aaaaagcatc cccaaatggt 300
tccattagca gtgctgggaa cagcagcaga aacagtagtc agtcaagttc agatggtagc 360
tgtaagacag ctgg 374

<210> 2
<211> 564
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)
<223> Wherein n is a or t or c or g.

<220>
<221> misc_feature
<222> (4)
<223> Wherein n is a or t or c or g.

<400> 2
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ttcgagagtt atgggtgcta catgtgtgct ttcagagcag tagtgtgagg aagcttggag 120
tgggatggca ggacggcctc atccctatga tggtaactcc agtgatccag agaattggga 180
tcggaaattg catagtagac ctcgtaaact ttataaacat tcaagtactt cctcgcgtat 240
tgctaaagga ggagttgacc acaccaaaat gagtctacat gatgctagtg ggggacatga 300
gagatcaaga gatagacgaa ggtcaagtga cagatcacga gattcatctc atgaaagaac 360

ggagtctcag ctcactcctt gtattagaaa tgtgacttct ccaacacgac agcaccatgt 420
tgaacgagaa aaagatcaca gttcctctcg tccaagcagt ccgcgtcctc aaaaagcatc 480
cccaaatggt tccattagca gtgctgggaa cagcagcaga aacagtagtc agtcaagttc 540
agatggtagc tgtaagacag ctgg 564

<210> 3
<211> 486
<212> DNA
<213> Homo sapiens

<400> 3
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ctcaccaaag cccagcaaac cactgaggcc ttgtattcag ctgagcagca agaatgaagc 120
cagtggaatg gtggccccgg ctgtccagga gaagaaggtg aaaaagcggg tgtccttcgc 180
agacaaccag gggctggccc tgacaatggt caaagtgttc tcggaattcg atgacccgct 240
agatatgcca ttcaacatca ccgagctcct agacaacatt gtgagcttga cgacagcaga 300
gagcgagagc tttgttctgg atttttccca gccctctgca gattacttag actttagaaa 360
tcgacttcag gccgaccacg tctgccttga gaactgtgtg ctcaaggaca aggccatgca 420
ggcactgtga aggttcagaa cctcgcattt gagaagaccg tgaaaatagg atgacgtcga 480
cacctg 486

<210> 4
<211> 376
<212> DNA
<213> Homo sapiens

<400> 4
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ttgaagggaa aacgagcaca gaaccaagca cagccaaacc ttcttcccca gaaccagcac 120
caccttctga ggcaatggac gcagaccgtc caggcacccc ggttcccct gttgaagtcc 180
cggagctcat ggatacagcc tctttggagc caggagctct ggatgccaag ccagtggaga 240
gtcctggaga tcctaaccaa ctgacccgga aaggcaggaa gaggaaaagt gtgacatggc 300
ctgaggaagg caaactgaga gaatatttct attttgaatt ggatgaaact gaacgagtaa 360
atgtgaataa gatcaa 376

<210> 5
<211> 479
<212> DNA
<213> Homo sapiens

<400> 5
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tgcctccctg accacagcgg ccaccgccca acacccccga gaagccatcg ccaccaccgg 120
caggagaacc tagggtccat aaagccatct tcgcgatcga ctaaagctac gtcaacaact 180
atggcgggcg acgggcggcg ggcagaggcg gtgcgggaag gatggggtgt gtacgtcacc 240
cccagggccc ccatccgaga gggaaggggc cggctcgccc ctcaaaatgg cggcagcagc 300
gatgcgcctg cgtacagaac tcctccgtcg cgccagggcc ggcgggaagt gaggttctcg 360
gacgagccgc cagaagtgta cggcgacttc gagcccctgg tggccaaaga aaggtccccg 420
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<210> 6
<211> 474
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (317)
<223> Wherein n is a or t or c or g.

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gacttcccac tgaagcctgc gttgccccca gccagcctgg ccgtggccgc catccagagg 180
gaggtgtcat tgatgcacga tgaagaccct tcgcagcccc cacccctgcc agagggcacc 240
caggagccac atttgctcag gccggacgcg gctgagaagg ctgaggcacc cagttccccg 300
gatgtggcgc ctgcggngaa ggaagacagc ccctctgcga gtgggagggt acaggaggca 360
gcccggcctg aggaggtggt ttcgcagacc cccctgctgc ggtccagagc cctggtgagg 420
cgggtcacct gtaacctgca ggagtctgag agcacggccc cggcgacgac agag 474

<210> 7
<211> 404
<212> DNA
<213> Homo sapiens

<400> 7
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atgtttttat attttaatag aatcatttat ttctatgtgt tatgaaattc acttaatgat 120
aaatttttca acatacttgc cattagaaaa caaagtattg ctaagtacta taacatattg 180
gccactaaaa ttcatattga gattatcttg gtttcttgga agagatagga atgagttctt 240
atctagtgtt gcaggccagc aaatacagag gtggtttaat caaacagctc tagtatgaag 300
caagagtaaa gactaaggtt tcgagagcat tcctactcac ataagtgaag aaatctgtca 360
gataggaatc taaatattta tagtgagatt gtgaaagcaa cctt 404

<210> 8
<211> 444
<212> DNA
<213> Homo sapiens

<400> 8
gaaaaaggcc ttgtttttca gaaattcctg ggtttcctgt taaaaaatct taaagcccaa 60
ccttaggaat atagtgcccc aaaaggcgga tgcttcttcc attatcttat tttctttgat 120
actttattta attagatgtt tataaagaaa tgggtttatt tttccagcat aaacctcaga 180
atttaaggaa agaaaatgat gtctgttgtt atagttcatt gttttgccta ctcagcagaa 240
gtgatgactc ttaaaaattg gctttgacca aagttctctt gttttcaggg aaagaacata 300
aaagcttttt gaactacagc ctttttaaaa gagggatggg aggatattac agtaagaaat 360
taggctttct aaaagtatga aacatccttc aactgggctc tcttgttaat aggacatcat 420
atggtaatag actggtttga ctat 444

<210> 9
<211> 321
<212> DNA
<213> Homo sapiens

<400> 9
ggcagcgctc aggaaagggt ttttctcctc gcgaaggaaa gagagccgtt gaccatggtt 60
gcaactggca gtttgagcag caagaacccg gccagcattt cagaattgct ggactgtggc 120

tatcacccag agagcctgct aagtgatttt gactactggg attatgttgt tcctgaaccc 180
aacctcaacg aggtaatatt tgaggaatca acttggcaga atttggttaa aatgctggag 240
aactgtctgt ccaaatcaaa gcaaactaaa cttggttgct caaaggtcct tgtccctgag 300
aaactgacgc agagaattgc t 321

<210> 10
<211> 107
<212> PRT
<213> Homo sapiens

<400> 10
Gly Ser Ala Gln Glu Arg Val Phe Leu Leu Ala Lys Glu Arg Glu Pro
1 5 10 15

Leu Thr Met Val Ala Thr Gly Ser Leu Ser Ser Lys Asn Pro Ala Ser
20 25 30

Ile Ser Glu Leu Leu Asp Cys Gly Tyr His Pro Glu Ser Leu Leu Ser
35 40 45

Asp Phe Asp Tyr Trp Asp Tyr Val Val Pro Glu Pro Asn Leu Asn Glu
50 55 60

Val Ile Phe Glu Glu Ser Thr Trp Gln Asn Leu Val Lys Met Leu Glu
65 70 75 80

Asn Cys Leu Ser Lys Ser Lys Gln Thr Lys Leu Gly Cys Ser Lys Val
85 90 95

Leu Val Pro Glu Lys Leu Thr Gln Arg Ile Ala
100 105

<210> 11
<211> 413
<212> DNA
<213> Homo sapiens

<400> 11
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cggatcatcc gcaaagttgt gaagctattt aatgaagttc aggaaaaggc cattgaggag 120
cagatggtgg cagcgaagga tgtggtcatg gagcccacga tgaagaccct cagtgacgac 180
ctagatgaag cagcaaagga atttcaggag aaacacaaga aggaagtagg gaagctgaag 240
agcatggacc tctctgaata cataatccgt ggggacgatg aagagtggaa tgaagttttg 300
aacaaagctg ggccgaacgc ctcgatcatc agcctgaaaa gtgacaagaa aaggaagtta 360
gaggccaaac aagaaaccca aacagagcag aaagttgaga aacagagaga caa 413

<210> 12
<211> 380
<212> DNA
<213> Homo sapiens

<400> 12
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aataggtttt actatgataa tttgctgacc tacacttatt ttgttttttt cctctaaaac 120

aatgttttcc taatgtttat ttactttgct cttatggcta cccagtctga ttccacatgc 180
cctcttttgg ccaaaccatc cgcaatttgt gctctccctg tcttctatct ttgccttcct 240
tcttctttct tagatattta atcctggatg cctctatttc tattcactgt actatggcat 300
cagcttatag tcccttaatt gcaatgaact ctatgaagct cacatgtcta gaatataatc 360
actttggctt ctttcatgtt 380

<210> 13
<211> 472
<212> DNA
<213> Homo sapiens

<400> 13
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gccagggaaa ggggaaagga agaagacact ggaaatgcat ggccagcccc ctaggggcat 120
gaggaaggag ccttcaggtg gcccacaaag ccctagctct gggccagggg ctctgggggg 180
ctgaggggac cagactgggt gcagggcctt gggagctgcc agcctccttc ccactgggct 240
tccgcagaac tgggactctc acttcagggg ccaccacatc cctcctctct gcttctcccc 300
ccagatcaaa gggtaccctc ccacggttgg cagggcctgg ctgagtgcct ctagcaccct 360
ttgtgcccac cacaggcggt cccaggaagg gcagcaaggt cagaccattc ctcattgaaa 420
accgtggcta gggcacaggg ctctgatctg aaggagtgac agatatgtca ca 472

<210> 14
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Gal-4 BD domain
sequence

<400> 14
Glu Lys Gly Leu Val Phe Gln Lys Phe Leu Gly Phe Leu Leu Lys Asn
1 5 10 15

Leu Lys Ala Gln Pro
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<210> 15
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Gal-4 BD domain

<400> 15
Phe Lys Arg Cys Pro Phe Leu Lys Gln Val Leu Leu Arg Val Thr Ser
1 5 10 15

His Leu Val Ala Ala Arg Glu Arg Gly Lys Glu Glu Asp Thr Gly Asn
20 25 30

Ala Trp Pro Ala Pro
35

<210> 16
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Phosphatase 1
binding domain

<400> 16
Asn Glu Ala Ser Gly Met Val Ala Pro Ala Val Gln Glu Lys Lys Val
1 5 10 15

Lys Lys Arg Val Ser Phe Ala Asp Asn Gln Gly Leu Ala Leu Thr
20 25 30

<210> 17
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Phosphatase 1
binding domain

<400> 17
Asp Glu Ala Gly Arg Met Val Ala Pro Thr Val Gln Glu Lys Lys Val
1 5 10 15

Lys Lys Arg Val Ser Phe Ala Asp Asn Gln Gly Leu Ala Leu Thr
20 25 30

<210> 18
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Phosphatase 1
binding domain

<400> 18
Asn Gly Gly Ser Ser Asp Ala Pro Ala Tyr Arg Thr Pro Pro Ser Arg
1 5 10 15

Gln Gly Arg Arg Glu Val Arg Phe Ser Asp Glu Pro Pro Glu Val Tyr
20 25 30

Gly

<210> 19

<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Phosphatase 1
binding domain

<400> 19
Asn Gly Asp Gly Ser Asp Ala Pro Ala Tyr Glu Thr His Pro Ser Arg
1 5 10 15

His Gly Arg Arg Glu Val Arg Phe Ser Glu Glu Pro Pro Glu Val Tyr
20 25 30

Gly

<210> 20
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Phosphatase 1
binding domain

<400> 20
His Lys Ala Lys Ser Gln Asn Asp Trp Lys Cys Ser His Asn Gln Ala
1 5 10 15

Lys Lys Arg Val Val Phe Ala Asp Ser Lys Gly Leu Ser Leu Thr
20 25 30

<210> 21
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Phosphatase 1
binding domain

<400> 21
Glu Glu Lys Thr Pro Ile Lys Lys Pro Asp Gly Arg Lys Val Thr Phe
1 5 10 15

Phe Glu Asp Pro Gly Ser Gly Asp Glu
20 25